



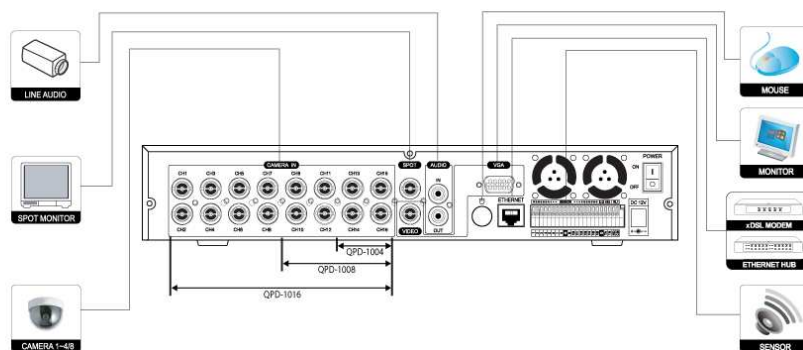
## QPD-1000 Series

H.264 Standalone DVR



- H.264 Stand-alone DVR series : 4Ch/8Ch/16CH
- Only DVR in the world with “**Dual Indexing File System**” to retrieve fast playback files
- Quadraplex: Record, Playback, Copy and Networking simultaneously
- Netork Viewer: 16units x 16Clients (16Clients can connect at the same time)
- User friendly Menu, Settings and Remote.
- Picture-In-Picture (PIP)
- Video magnification, Freeze function
- One-Touch instant Multi-screen playback (rev/fwd) of all channels from previous second
- 1Yr auto-adjusted recording, irrespective of HDD capacity
- Accommodates 2 SATA HDD (max.)
- Built-in File viewer on copy media with Password
- Search: Calender, time, Event, Block, File, Bookmark, text and Log file
- 1Channel audio Input
- CMS (Central Management software) 64Ch display/screen and ∞ DVR connectivity

### SYSTEM DIAGRAM



[www.markglobal.in](http://www.markglobal.in)

# Specifications

QPD-1004/1008/1016

<b>VIDEO</b>		<b>QPD-1004/1008/1016</b>
Video Input		16CH/ 8CH/ 4CH (BNC)
Input Level		1.0Vp-p±10% Composite, 75Ω Balanced
Loop Through Output		Not supported
Video Standard		NTSC, PAL, AUTO
Main Monitor Output		1.0 Vp-p Composite, 75 Ohm Balanced
Analog Spot Monitor Output		1.0 Vp-p Composite, 75 Ohm Balanced
Camera ID		Max. 8 Characters
Main Monitor Split Control		1, 4, 6, 7, 9, 16 / 1, 4, 6, 7, 9 / 1, 4 Screen
Dualtime control		1~60 Seconds
Display	Resolution	NTSC 720(H) x 480(V)
		PAL 720(H) x 576(V)
	Speed	NTSC 480 frames/240 fps/120 fps(Every CH Real Time)
		PAL 400frames/200 fps/100 fps (Every CH Real Time)
Function		Auto sequence 1, 4, 6, 7, 9, 16 Split, PIP
<b>AUDIO</b>		
Compression		ADPCM
Audio Input (Line)		1CH (RCA)
Input Level		0.5~1.4Vp-p@20 KOhm
Audio Output (Line)		1CH(RCA)
<b>RECORDING</b>		
Compression		H.264
Resolution	NTSC	720(H) x 480(V) 720(H) x 240(V) 360(H) x 240(V)
	PAL	720(H) x 576(V) 720(H) x 288(V) 360(H) x 288(V)
Speed	NTSC	360 x 240 Max. 240/ 240/ 120 fps(CIF)
		720 x 240 Max. 120/ 120/ 120 fps (Half D1)
	PAL	720 x 480 Max. 60/ 60/ 60 fps(D1)
		360 x 240 Max. 200/ 200/ 100 fps (CIF)
	720 x 288 Max. 100/ 100/ 100 fps (Half D1)	
	720 x 576 Max. 50/ 50/ 50 fps (D1)	
Duplex or Triplex		Quadplex
Each CH	Frame Setting	Available
	Event Normal	Available
	Speed	Available
	Resolution	Available
Quality		4 optional Levels (Low,Normal,Fine,Superfine)
Setup per Channel		Individual
Record Limit		Automatic data delete
Data Size		1~3KB(CIF), 3~7KB(D1/2), 6~15KB(D1)
Recording Mode		Normal(Continuous), Event(Motion detection, Sensor, Video loss), Schedule, Holiday
Pre-Alarm		Max. 5 Seconds
Watermark		Support
Schedule		24 groups per day by an hour,Holidays are same as Sunday
Summer Time		Support
HDD	Internal Storage	2 HDDs (1TB x 2)
	Speed	7,200RPM
	DMA	45MHz DMA
	Type	SATA compatible
	External Storage	Not supported
	HDD Bay Interface	Not supported
<b>SEARCHING &amp; PLAYBACK</b>		
Searching Method		Time, Calendar, Event, (Copied)File,Text, Block
Playback & Reverse Playback		1,2,4, 16, 32, 64, 128 velocity 1/2, 1/4, 1/6, 1/32, 1/64, 1/128
<b>BACKUP DEVICE</b>		
Internal CD/DVD ±RW		Not supported
Media Support		CD R / CD RW / DVD ±RW / DVD RAM
USB 2.0		USB memory stick, External USB HDD/CDRW/DVD±RW
Copied File Compatibility with PC (Windows)		Compatible

<b>BACKUP</b>		
Digital Backup		Not supported
Backup Method		Not supported
<b>ALARM</b>		
Sensor Input		16CH/ 8CH/ 4CH(Terminal)
Alarm Output		1 Relay out (Programmable,NO: Normal Open), Terminal Available For Each Camera Multi-Detection Level
Motion Detection		
<b>MULTI-REMOTE SURVEILLANCE</b>		
Monitoring Environment		Client Software, Central Monitoring System, Web browser
Transmission Rate		Max 120fps Transmission(16 Clients accessible)
Search		Supporting Multi-Client(16 Clients accessible)
<b>SYSTEM MONITORING &amp; RECOVERY</b>		
System Logging		Power Failure Checkable/Menu Change/Network connection
Monitoring		Software Watchdog
Recovery		Auto-Reboot By Watchdog Automatic Database Recovery
<b>CONNECTOR</b>		
Video Input		16CH/ 8CH/ 4CH (BNC)
Loop Through Output		Not supported
Main Monitor Output	Composite	BNC 1Port (Rear)
	VGA Output	Selectable C-video or VGA(VESA)
	S-Video	Not supported
Spot Monitor Output		BNC 1 Port
Audio Input (Mono)		1 CH Line Input (RCA)
Audio Output (Mono)		1 CH Line Output (RCA)
HDD Bay Connection		Not supported
External Control (RS - 232C)		Not supported
Firmware upgrade		USB 2.0 Port, Network
External Control (RS - 485)		2 Pins Terminal Block
Sensor Input		16CH/ 8CH/ 4CH Terminal Block (Include Ground Common 4Pins)
Alarm Output		1 Relay Output 2 Pins Terminal Block (NO, Common) x 1 = 2 pins(Total)
PTZ(RS-485)		2 pins Terminal Block, Half Duplex
Ethernet		RJ-45, 10/100Mbps
USB 2.0		Front 1 port
<b>ELECTRICAL</b>		
Power Source		DC 12V, 5A
Power Consumption		Approx. 50 Watt (Including 1 HDD)
<b>ENVIRONMENTAL</b>		
Operating Temp.		0°C ~ +40°C
Storage Temp.		-10°C ~ +60°C
Humidity		30~90%RH (Non-Condensing)
<b>PHYSICAL</b>		
Construction Shape		Consumer style
Construction Material		Plastics Front Steel Case
Body Color		Silver & Dark Purple with Plastics key
Dimension		340(W) x 248(D) x 60(H) mm
Weight		Approx. 2kg
<b>OTHERS</b>		
OS		Embedded Linux
Language(13 kinds)		English,Korean,Japanese,Polish , Spanish,Russian,Chinese, Taiwanese,French,Turkish,German,Italian,Portuguese
Control Device		Front key, Remote controller, Mouse(PS/2),External Keyboard
PTZ		Over16 Protocols
Number of Event list / Log list		10,000 / 10,000 per HDD

\*Specifications are subject to change without any notice

## SYSTEM DIAGRAM

